

AMENDMENTS

In the Drawings:

Please amend the drawings as indicated in the attached Submission of Substitute Drawings.

In the Claims:

Please amend the claim as follows.

1. (Amended) A method for the wireless data transmission using at least one transmitter and at least one receiver, the receiver having one or more receiving antennas comprising:

utilizing information on received interference signals to improve the quality of transmission of the data transmission;

obtaining quantitative information about received user signals from the received signals of one of the antennas by using a first signal processing algorithm; and

obtaining quantitative information about the received interference signals from the received signals of one of the antennas and the quantitative information obtained about the received user signals by using a second signal processing algorithm wherein the quantitative information about the received interference signals is used to generate a directional pattern for transmission at the receiver.
